Claims

[c1]	1.A method for screening a plurality of polypeptides comprising:
	linking each of the plurality of polypeptides with a nucleic acid tag to obtain
. 1	tagged polypeptides;
!	hybridizing the tagged polypeptides with an oligonucleotide probe array to
	immobilize the tagged polypeptides on the array, wherein the oligonucleotide
. 1	probe array has at least one probe for each of the nucleic acid tag; and
•	screening the polypeptides for an activity.
[c2]	2.The method of Claim 1 wherein the linking comprises
	attaching oligonucleotide tags to a plurality of mRNAs; and
	translating the mRNAs to produce the plurality of polypeptides, wherein the

- attaching oligonucleotide tags to a plurality of mRNAs; and translating the mRNAs to produce the plurality of polypeptides, wherein the translation is performed under the condition that the resulting peptides are attached to the mRNA.
 - 3. The method of Claim 2 wherein each of the mRNAs is attached with a different tag.
 - 4. The method of Claim 3 wherein the screening comprises determining the binding affinity of the immobilized polypeptides with a ligand.
- [c5] 5.The method of Claim 4 wherein the ligand is a drug candidate.
- [c6] 6.The method of Claims 2, 3, 4, 5 or 6 wherein the oligonucleotide probe array has at least 400 different oligonucleotide probes per cm 2 .
- [c7] 7.The method of Claims 2, 3, 4, 5 or 6 wherein the oligonucleotide probe array has at least 1000 different oligonucleotide probes per cm².
- [c8] 8.The method of Claims 2, 3, 4, 5 or 6 wherein the oligonucleotide probe array has at least 10000 different oligonucleotide probes per cm 2 .
- [c9] 9.The method of Claims 2, 3, 4, 5 or 6 wherein the plurality of polypeptides comprise at least 50 polypeptides.
- [c10] 10.The method of Claims 2, 3, 4, 5 or 6 wherein the plurality of polypeptides comprise at least 100 polypeptides.

[c3]

[c4]

,	[c12]	12.A method for screening a plurality of polypeptides comprising: attaching oligonucleotide tags to a plurality of mRNAs; hybridizing the plurality of mRNAs to an oligonucleotide array; wherein the oligonucleotide array has at least one probe for each of the oligonucleotide tags;
		translating the mRNAs to produce the plurality of polypeptides, wherein the translation is performed under the condition that the resulting peptides are attached to the mRNA; and screening the polypeptides for an activity.
of South Shaft	[c13]	13. The method of Claim 12 wherein each of the mRNAs is attached with a different tag.
i will tenn thirth an	[c14]	14. The method of Claim 13 wherein the screening comprises determining the binding affinity of the immobilized polypeptides with a ligand.
	[c15]	15.The method of Claim 14 wherein the ligand is a drug candidate.
	[c16]	16.The method of Claims 13, 14, or 15 wherein the oligonucleotide probe array has at least 400 different oligonucleotide probes per cm ² .
	[c17]	17. The method of Claims 13, 14, or 15 wherein the oligonucleotide probe array has at least 1000 different oligonucleotide probes per cm 2 .
	[c18]	18. The method of Claims 13, 14, or 15 wherein the oligonucleotide probe array has at least 10000 different oligonucleotide probes per cm ² .
	[c19]	19. The method of Claims 13, 14, or 15 wherein the plurality of polypeptides comprise at least 50 polypeptides.
	[c20]	20.The method of Claims 13, 14, or 15 wherein the plurality of polypeptides comprise at least 100 polypeptides.
-	[c21]	21. The method of Claims 13, 14, or 15 wherein the plurality of polypeptides

11. The method of Claims 2, 3, 4, 5 or 6 wherein the plurality of polypeptides

comprise at least 1000 polypeptides.

comprise at least 1000 polypeptides.

[c11]

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